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EXAMINER

RAJ, RAJIV J

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ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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Office Action Summary	Application No. 10/750,032	Applicant(s) VANDERVEEN, TIMOTHY W.	
	Examiner RAJIV J. RAJ	Art Unit 3686	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 March 2010.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 and 3-25 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1, 3-25 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Status of Claims

1. This action is in reply to the amendment filed on 11 March 2010.
2. Claims 1, 3, 4 & 9 have been amended.
3. Claims 1 & 3-25 are currently pending and have been examined.

Claim Objections

4. In light of applicant's amendments the claim objection has been withdrawn.

Claim Rejections - 35 USC § 101

5. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

6. In response to applicant's amendments the 101 rejection of claims 25-26 has been withdrawn.

Claim Rejections - 35 USC § 103

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

9. Claims 1, 3-7, 9-21, and 23-25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Halvorson (US 4847764) (hereinafter Halvorson) in view of Allen, III (US 4731726) (hereinafter Allen) in further view of Bui et al. (US 2003/0140928 A1) (hereinafter Bui).

Claim 1

Halvorson as shown discloses the following limitations:

- *a plurality a plurality of medication administration devices for delivering medication to a plurality of patients;* (see at least Halvorson Fig:2 Items:32,40,50-52 & related text)
- *the medication administration information including a plurality of medication administration parameters and a parameter value associated with each medication administration parameter;* (see at least Halvorson Fig:3 Items:62,63 & related text)
- *a central computer display connected to the central processor and configured to display a . . . display of status and schedule information for all drug administrations to the plurality of patients;* (see at least Halvorson Fig:1 Items:10-32 Fig:3 Item:61 Fig:30 Item:95 & related text)
- *a database operatively connected to the central processor for storing medication administration guidelines representing acceptable values for the plurality of medication administration parameters;* (see at least Halvorson Fig:1 Items:10-32 Fig:4-23 & related text)
- *means for communicating medication administration information from each of the plurality of medication administration devices to the central processor;* (see at least Halvorson Fig:1 Items:10-32 & related text)
- *wherein the central processor is further configured to compare the parameter values to the acceptable values for the parameters in the medication administration guidelines* (see at least Halvorson Claim:2)

- *wherein the central processor and the CPU are communicatively coupled via a local area network;* (see at least Halvorson Fig:1 Items:10-32 & related text)

Halvorson does not disclose the following limitations, however Allen, as shown does:

- *a memory associated with each medication administration device for storing medication administration information associated with the medication delivered to each patient,* (see at least Allen Fig:2 Items:150-154 & related text)
- *a central processor configured to receive medication administration information from each of the plurality of medication administration devices;* (see at least Allen Fig:2 & 4 Items:10, 102-106 & related text)

It would have been obvious to one of ordinary skill in the art to add the features of Allen into Halvorson. One of ordinary skill in the art would have added these features into Halvorson with the motivation of providing an improved method and system for monitoring and adjusting administration of medication for more effective patient healthcare. (see at least Allen Column:1 Lines:62-68 Column:2 Lines:1-15)

Halvorson/Allen does not disclose the following limitations, however Bui, as shown does:

- *a first central processing unit (CPU) located at a patient's bedside and in communication with a subset of the plurality of medication administration devices and configured to monitor the subset of the plurality of medication administration devices and display results of the monitoring;* (see at least Bui [0015-0023] Fig:1 & related text)
- *a second CPU in communication with the first CPU over a hospital network, the second CPU located at a nursing station and configured to report patient information pertaining to a hospital unit;* (see at least Bui [0015-0023] Fig:1 & related text)
- *where in the first CPU is configured to receive an alarm generated by one of the subset of the plurality of medication administration devices and broadcast the received alarm after a predetermined period;* (see at least Bui [0048, 0112, 0131-0137])

- *wherein the central processor is further configured to display a list of ongoing infusions to the plurality of patients;* (see at least Bui [0040] Fig:1 Items:100-110 Fig:3 Items:302 & related text)

It would have been obvious to one of ordinary skill in the art to add the features of Bui into Halvorson/Allen. One of ordinary skill in the art would have added these features into Halvorson/Allen with the motivation to provide a more efficient and effective method and system for displaying, communicating and managing the administration of medication yielding higher quality healthcare. (see at least Bui [0004-0005])

The combination of Halvorson/Allen/Bui discloses all the limitations of Claim 1. Halvorson/Allen/Bui does not specifically disclose *color coded*. However, the Examiner takes **Official Notice** that it is old and well known in the medical arts to provide services in a regulated and managed manner.

It would have been obvious to one skilled in the art at the time of the invention to combine the limitations of Halvorson/Allen/Bui with a limitation where the *color coded* because it is a natural and commonly-used aspect in organizing and displaying medical data.

Claim 3

The combination of Halvorson/Allen/Bui disclose all the limitations of claim 1. Halvorson further discloses the following limitation:

- *the central processor is further configured to provide a visual indication on the central computer display if one of the parameter values does not fall within the acceptable values for the parameter in the corresponding medication administration guideline* (see at least Halvorson Fig:1 Items:10-32 & related text)

Claim 4

The combination of Halvorson/Allen/Bui disclose all the limitations of claim 1. Halvorson further discloses the following limitation:

- *the central computer display is located in a pharmacy;* (see at least Halvorson Abstract, Fig:1 Items:10-32 Fig:16 Item:84 Fig:27 Item:92 Fig:28 Item:93 & related text)

Claim 5

The combination of Halvorson/Allen/Bui disclose all the limitations of claim 3. Allen further discloses the following limitations:

- *means for a clinician to adjust the medication administration parameter values in response to the visual indication* (see at least Allen Column:6 Lines:45-50)

It would have been obvious to one of ordinary skill in the art to add the features of Allen into Halvorson/Allen/Bui. One of ordinary skill in the art would have added these features into Halvorson/Allen/Bui with the motivation of providing an improved method and system for monitoring and adjusting administration of medication for more effective patient healthcare. (see at least Allen Column:1 Lines:62-68 Column:2 Lines:1-15)

Claim 6

The combination of Halvorson/Allen/Bui disclose all the limitations of claim 5. Allen further discloses the following limitations:

- *means for the clinician to report to a caregiver at the point of care the adjusted medication administration parameter values* (see at least Allen Column:2 Lines:40-47)

It would have been obvious to one of ordinary skill in the art to add the features of Allen into Halvorson/Allen/Bui. One of ordinary skill in the art would have added these features into Halvorson/Allen/Bui with the motivation of providing an improved method and system for monitoring and adjusting administration of medication for more effective patient healthcare. (see at least Allen Column:1 Lines:62-68 Column:2 Lines:1-15)

Claim 7

The combination of Halvorson/Allen/Bui disclose all the limitations of claim 1. Allen further discloses the following limitation:

- *the central processor is further configured to automatically adjust the medication administration parameter values in response to an indication that one of the parameter values does not fall within the acceptable values for the parameter in the corresponding*

medication administration guideline (see at least Allen Fig:56 Items:320-370 & related text)

It would have been obvious to one of ordinary skill in the art to add the features of Allen into Halvorson/Allen/Bui. One of ordinary skill in the art would have added these features into Halvorson/Allen/Bui with the motivation of providing an improved method and system for monitoring and adjusting administration of medication for more effective patient healthcare. (see at least Allen Column:1 Lines:62-68 Column:2 Lines:1-15)

Claim 9

The combination of Halvorson/Allen/Bui disclose all the limitations of claim 1. Halvorson further discloses the following limitation:

- *means for communication between a caregiver located at one of the medication administration devices and a clinician located at the central computer display* (see at least Halvorson Fig:1 Items:10-32 & related text)

Claim 10

The combination of Halvorson/Allen/Bui disclose all the limitations of claim 1. Allen further discloses the following limitation:

- *the medication administration parameters include current medication administration device operating parameters;* (see at least Allen Column:16 Lines:54-65 Fig:7A-8E & related text)

It would have been obvious to one of ordinary skill in the art to add the features of Allen into Halvorson/Allen/Bui. One of ordinary skill in the art would have added these features into Halvorson/Allen/Bui with the motivation of providing an improved method and system for monitoring and adjusting administration of medication for more effective patient healthcare. (see at least Allen Column:1 Lines:62-68 Column:2 Lines:1-15)

Claim 11

The combination of Halvorson/Allen/Bui disclose all the limitations of claim 1. Allen further discloses the following limitation:

- *the medication administration guidelines include the acceptable values for the medication administration parameters based on patient condition data; (see at least Allen Fig:5G Items:320-370 & related text)*

It would have been obvious to one of ordinary skill in the art to add the features of Allen into Halvorson/Allen/Bui. One of ordinary skill in the art would have added these features into Halvorson/Allen/Bui with the motivation of providing an improved method and system for monitoring and adjusting administration of medication for more effective patient healthcare. (see at least Allen Column:1 Lines:62-68 Column:2 Lines:1-15)

Claim 12

The combination of Halvorson/Allen/Bui disclose all the limitations of claim 11. Halvorson further discloses the following limitations:

- *wherein the processor is further configured to compare the parameter values to the acceptable values for the parameters in the medication administration guidelines corresponding to the stored patient condition data associated with each patient (see at least Halvorson Claim:2)*

Halvorson/Allen/Bui does not disclose the following limitations, however Allen, as shown does:

- *a memory operatively connected to the central processor for storing patient condition data associated with each patient; (see at least Allen Claim:5)*

It would have been obvious to one of ordinary skill in the art to add the features of Allen into Halvorson/Allen/Bui. One of ordinary skill in the art would have added these features into Halvorson/Allen/Bui with the motivation of providing an improved method and system for monitoring and adjusting administration of medication for more effective patient healthcare. (see at least Allen Column:1 Lines:62-68 Column:2 Lines:1-15)

Claim 13

The combination of Halvorson/Allen/Bui disclose all the limitations of claim 12. Allen further discloses the following limitation:

- *the patient condition data for each patient includes current physiological status; (see at least Allen Fig:5B-F & related text)*

It would have been obvious to one of ordinary skill in the art to add the features of Allen into Halvorson/Allen/Bui. One of ordinary skill in the art would have added these features into Halvorson/Allen/Bui with the motivation of providing an improved method and system for monitoring and adjusting administration of medication for more effective patient healthcare. (see at least Allen Column:1 Lines:62-68 Column:2 Lines:1-15)

Claim 14

The combination of Halvorson/Allen/Bui disclose all the limitations of claim 1. Allen further discloses the following limitation:

- *the medication administration guidelines include the acceptable values for the medication administration parameters based on medication indication data; (see at least Allen Fig:6A-8B & related text)*

It would have been obvious to one of ordinary skill in the art to add the features of Allen into Halvorson/Allen/Bui. One of ordinary skill in the art would have added these features into Halvorson/Allen/Bui with the motivation of providing an improved method and system for monitoring and adjusting administration of medication for more effective patient healthcare. (see at least Allen Column:1 Lines:62-68 Column:2 Lines:1-15)

Claim 15

The combination of Halvorson/Allen/Bui disclose all the limitations of claim 1. Halvorson further discloses the following limitations:

- *a memory in which is stored medication order information for a plurality of patients, the medication order information including a plurality of prescribed medication administration parameters for delivering medication to each patient and a parameter value associated*

with each prescribed medication administration parameter; (see at least Halvorson Fig:3 Item:67 Fig:4, Fig:20 Item:85, Fig:25 Item:90 & related text)

- *wherein the processor is further configured to compare the parameter values of the prescribed medication administration parameters to the acceptable values for the medication administration parameters in the medication administration guideline (see at least Halvorson Claim:2)*

Claim 16

The combination of Halvorson/Allen/Bui disclose all the limitations of claim 15. Allen further discloses the following limitation:

- *a central computer display operatively connected to the central processor and wherein the central processor is further configured to display the medication order information and the medication administration information on the central computer display (see at least Allen Fig:1 Items:12,14, Fig:2 & related text)*

It would have been obvious to one of ordinary skill in the art to add the feature of Allen into Halvorson/Allen/Bui. One of ordinary skill in the art would have added this feature into Halvorson/Allen/Bui with the motivation of providing an improved method and system for monitoring and adjusting administration of medication for more effective patient healthcare. (see at least Allen Column:1 Lines:62-68 Column:2 Lines:1-15)

Claim 17

Halvorson as shown discloses the following limitations:

- *the medication administration information including a plurality of medication administration parameters and a parameter value associated with each medication administration parameter; (see at least Halvorson Fig:3 Items:62,63 & related text)*
- *storing a database of medication administration guidelines representing acceptable values for the medication administration parameters; (see at least Halvorson Fig:1 Items:10-32, Fig:4-23 & related text)*

- *communicating the medication administration information and the medication administration guidelines to a central location; (see at least Halvorson Fig:1 Items:10-32 & related text)*
- *comparing, on a computer at the central location, the parameter values to the acceptable values for the parameters in the medication administration guidelines; (see at least Halvorson Claim:2 Fig:1 Items:10-32 & related text)*
- *said acceptable values comprising a soft limit and a hard limit; (see at least Halvorson Column:2 Lines:54-61 Fig:4-25 & related text)*
- *operating a medication administration device by issuing an alarm if one of said parameter values contravenes its corresponding hard limit; (see at least Halvorson ; (see at least Halvorson Column:2 Lines:54-61 Column:5 Lines:3-32 Fig:1 Items:10-32 & related text)*
- *its corresponding soft limit; (see at least Halvorson Column:2 Lines:54-61)*
- *a corresponding soft limit; (see at least Halvorson Column:2 Lines:54-61)*

Halvorson does not disclose the following limitations, however Allen, as shown does:

- *monitoring medication administration information associated with medication delivered to each patient (see at least Allen Claim:1)*
- *providing, using the computer at the central location, a visual indication on a computer display at the central location if one of the parameter values contravenes . . . in the medication administration guideline; (see at least Allen Fig:1 Item:10, Fig:2 Item:102, Fig:5G Items:320-370, Fig:6B Items:414-432, Fig:7A Items:500-516 Fig:23 & related text)*

It would have been obvious to one of ordinary skill in the art to add the feature of Allen into Halvorson. One of ordinary skill in the art would have added this feature into Halvorson with the motivation of providing an improved method and system for monitoring and adjusting administration of medication for more effective patient healthcare. (see at least Allen Column:1 Lines:62-68 Column:2 Lines:1-15)

Halvorson/Allen does not disclose the following limitations, however Bui, as shown does:

- *requiring an acknowledgment from a user before operating the medication administration device using a medical administration parameter contravening;* (see at least Bui [0053-0054], [0066], [0069-0071] Claims:1,25 & 26 Fig:4 Items:400 & related text)

It would have been obvious to one of ordinary skill in the art to add the features of Bui into Halvorson/Allen. One of ordinary skill in the art would have added these features into Halvorson/Allen with the motivation to provide a more efficient and effective method and system for displaying, communicating and managing the administration of medication yielding higher quality healthcare. (see at least Bui [0004-0005])

Claim 18

The combination of Halvorson/Allen/Bui disclose all the limitations of claim 17. Allen further discloses the following limitation:

- *displaying the medication administration information on a computer display at the central location* (see at least Allen Fig:1 Items:12 fig:2 & related text)

It would have been obvious to one of ordinary skill in the art to add the feature of Allen into Halvorson/Allen/Bui. One of ordinary skill in the art would have added this feature into Halvorson/Allen/Bui with the motivation of providing an improved method and system for monitoring and adjusting administration of medication for more effective patient healthcare. (see at least Allen Column:1 Lines:62-68 Column:2 Lines:1-15)

Claim 19

The combination of Halvorson/Allen/Bui disclose all the limitations of claim 18. Halvorson further discloses the following limitation:

- *providing an indication at the central location includes displaying an alert on the computer display;* (see at least Halvorson Column:5 Lines:3-35, Fig:1 Items:10-32 & related text)

Claim 20

The combination of Halvorson/Allen/Bui disclose all the limitations of claim 17. Allen further discloses the following limitation:

- *adjusting the medication administration parameter values from the central location in response to the indication;* (see at least Allen Column:6 Lines:45-50)

It would have been obvious to one of ordinary skill in the art to add the feature of Allen into Halvorson/Allen/Bui. One of ordinary skill in the art would have added this feature into Halvorson/Allen/Bui with the motivation of providing an improved method and system for monitoring and adjusting administration of medication for more effective patient healthcare. (see at least Allen Column:1 Lines:62-68 Column:2 Lines:1-15)

Claim 21

The combination of Halvorson/Allen/Bui disclose all the limitations of claim 17. Allen further discloses the following limitation:

- *communicating information from the central location to a care-giver located at the point of care* (see at least Allen Column:2 Lines:40-47)

It would have been obvious to one of ordinary skill in the art to add the feature of Allen into Halvorson/Allen/Bui. One of ordinary skill in the art would have added this feature into Halvorson/Allen/Bui with the motivation of providing an improved method and system for monitoring and adjusting administration of medication for more effective patient healthcare. (see at least Allen Column:1 Lines:62-68 Column:2 Lines:1-15)

Claim 23

The combination of Halvorson/Allen/Bui disclose all the limitations of claim 17. Allen further discloses the following limitation:

- *the medication administration guidelines include the acceptable values for the medication administration parameters based on patient condition data* (see at least Allen Fig:5G Items:320-370 & related text)

It would have been obvious to one of ordinary skill in the art to add the feature of Allen into Halvorson/Allen/Bui. One of ordinary skill in the art would have added this feature into Halvorson/Allen/Bui with the motivation of providing an improved method and system for monitoring

and adjusting administration of medication for more effective patient healthcare. (see at least Allen Column:1 Lines:62-68 Column:2 Lines:1-15)

Claim 24

The combination of Halvorson/Allen/Bui disclose all the limitations of claim 17. Allen further discloses the following limitation:

- *the medication administration guidelines include the acceptable values for the medication administration parameters based on medication indication data;* (see at least Allen Fig:6A-8B & related text)

It would have been obvious to one of ordinary skill in the art to add the feature of Allen into Halvorson/Allen/Bui. One of ordinary skill in the art would have added this feature into Halvorson/Allen/Bui with the motivation of providing an improved method and system for monitoring and adjusting administration of medication for more effective patient healthcare. (see at least Allen Column:1 Lines:62-68 Column:2 Lines:1-15)

Claim 25

Halvorson as shown discloses the following limitations:

- *reviewing, at a pharmacy computer, a medication order prescribed by a physician;* (see at least Halvorson Claim:1 Fig:1 Items:10-32 & related text)
- *checking, at the pharmacy computer, the medication order for incompatibilities with the patient's record;* (see at least Halvorson Claim:5 Column:2 Lines:38-61)
- *transferring the medication order to a nursing station following the checking for incompatibilities;* (see at least Halvorson Column:22 Lines:35-67 Column:23 Lines:1-67 Fig:1, 24, 28 Items:10-32 & related text)
- *communicatively coupled with the pharmacy computer with medication delivery parameters;* (see at least Halvorson Fig:1, 16 Items:10-32 & related text)
- *verifying, at the pharmacy computer, the medication delivery parameters;* (see at least Halvorson Column:4 Lines:45-66 Claim:12)

- *if the verification passes, then administering the medication order to the patient using the clinical device according to the verified medication delivery parameters; (see at least Halvorson Claims:1,2 & 13)*
- *if the verification fails, then sounding an alarm at the pharmacy computer; (see at least Halvorson Claim:9)*
- *administering the medication order to the patient using the clinical device according to the corrected or overridden medical delivery parameters; (see at least Halvorson Claims:1,2 & 55)*

Halvorson does not disclose the following limitations, however Allen, as shown does:

- *programming a clinical device connected to the patient; (see at least Allen Fig:4 Items:10-114 & related text)*
- *allowing a user to correct or override, . . . , the medication delivery parameters; (see at least Allen Column:27 Lines:30-50)*

It would have been obvious to one of ordinary skill in the art to add the feature of Allen into Halvorson. One of ordinary skill in the art would have added this feature into Halvorson with the motivation of providing an improved method and system for monitoring and adjusting administration of medication for more effective patient healthcare. (see at least Allen Column:1 Lines:62-68 Column:2 Lines:1-15)

Halvorson does not disclose the following limitations, however Allen, as shown does:

- *in real-time; (see at least Bui [0048-0049])*

It would have been obvious to one of ordinary skill in the art to add the features of Bui into Halvorson/Allen. One of ordinary skill in the art would have added these features into Halvorson/Allen with the motivation to provide a more efficient and effective method and system for displaying, communicating and managing the administration of medication yielding higher quality healthcare. (see at least Bui [0004-0005])

10. Claims 8 and 22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Halvorson in view of Allen in further view of Kaufman et al. (US 5267174) (hereinafter Kaufman).

Claim 8

The combination of Halvorson/Allen/Bui disclose all the limitations of claim 1. Kaufman further discloses the following limitation:

- *the central processor periodically compares the parameter values to the acceptable values for the parameters in the medication administration guidelines throughout the administration of the medication* (see at least Kaufman Column:19 Lines:12-16)

It would have been obvious to one of ordinary skill in the art to add the feature of Kaufman into Halvorson/Allen/Bui. One of ordinary skill in the art would have added this feature into Halvorson/Allen/Bui with the motivation to provide an adjustable and a more effective interactive medication delivery device. (see at least Kaufman Column:2 Lines:15-28)

Claim 22

The combination of Halvorson/Allen/Bui disclose all the limitations of claim 17. Kaufman further discloses the following limitation:

- *periodically comparing the parameter values to the acceptable values for the parameters in the medication administration guidelines throughout the administration* (see at least Kaufman Column:19 Lines:12-16)

It would have been obvious to one of ordinary skill in the art to add the feature of Kaufman into Halvorson/Allen/Bui. One of ordinary skill in the art would have added this feature into Halvorson/Allen/Bui with the motivation to provide an adjustable and a more effective interactive medication delivery device. (see at least Kaufman Column:2 Lines:15-28)

Response to Arguments

11. Applicant's arguments received on 11 March 2010 have been fully considered are considered unpersuasive.
12. In response to applicant's argument that the cited prior art fails to disclose or teach the claim language "a first CPU located at a patient's bedside" "a second CPU in communication with the first CPU over a hospital network, the second CPU located at a nursing station and configured to report patient information pertaining to a hospital unit" & "wherein the first CPU is configured to receive an alarm generated by one of the subset of the plurality of medication administration devices and broadcast the received alarm after a predetermined period", the Examiner points out that this claim language is substantially added and/or amended claim language which is addressed above.
13. In response to applicant's argument that the cited prior art is nonanalogous art, it has been held that a prior art reference must either be in the field of applicant's endeavor or, if not, then be reasonably pertinent to the particular problem with which the applicant was concerned, in order to be relied upon as a basis for rejection of the claimed invention. See *In re Oetiker*, 977 F.2d 1443, 24 USPQ2d 1443 (Fed. Cir. 1992). Further, Examiner points out that the cited prior art does effectively disclose the corresponding limitations.
14. In response to applicant's argument that Halvorson, Allen and Bui do not teach the features of applicant's invention, either alone or in combination, the Examiner finds the assertion unpersuasive and points out that its merely based on applicant's opinion.
15. In response to applicant's argument that the cited prior art does no teach "monitoring of medication administration parameters", the Examiner respectfully disagrees. The cited prior art, Allen, teaches managing data related to insulin dosage (see at least Allen Claim:1).
16. In response to applicant's argument that the cited prior art fails "the soft and hard limits", the Examiner respectfully disagrees. The Examiner has further added a citation from Halvorson to more clearly define this feature as taught in the cited prior art. (see at least Halvorson Column:2 Lines:54-61)

17. As per claims 3-16 applicant makes arguments based on dependency on claim 1 and are rejected for on the same grounds.

18. As per claims 18-23 applicant makes arguments based on dependency on claim 17 and are rejected for on the same grounds.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Applicant's amendment necessitated any new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to RAJIV J. RAJ whose telephone number is (571) 270-3930. The examiner can normally be reached on Monday thru Friday 8-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jerry O'Connor can be reached on (571) 272-6787. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should

you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or (571) 272-1000.

Date: 05/13/10
/RJR/ Patent Examiner Art Unit 3686

/Vivek D Koppikar/

Primary Examiner, Art Unit 3686